

a melt combustion furnace for receiving the combustible gas and the non-combusted particles and for combusting the combustible gas and melting non-combustible ash of the non-combusted particles.

D1 30. (New) An apparatus as claimed in claim 29, wherein said heat recovery surface is operable to recover heat from said fluidized medium so as to maintain said fluidized-bed furnace at a temperature of 450°C to 800°C, and wherein said melt combustion furnace is operable to melt said non-combustible ash of said non-combustible particles at a temperature of at least 1300°C.

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